APPENDIX

1   1.   A method for protecting the security of a cookie stored within a data processing system,

2   said method comprising:

3   storing a encryption key pair having a private key and a public key in a protected

4   storage device within said data processing system;

5   in response to the receipt of a cookie generated by an application from a remote

6   server, encrypting said cookie with said public key;

7   storing said encrypted cookie in a non-protected storage device within said data

8   processing system;

9   in response to an access request for said encrypted cookie by a browser program

10   executing within said data processing system, decrypting said encrypted cookie with said

11   private key; and

12   sending said decrypted cookie to said browser program.

1   2.   The method according to claim 1, wherein said non-protected storage device is a hard

2   drive.

1   3.   The method according to claim 1, further comprising providing an encryption device

2   having an encryption engine and said protected storage device accessible only through said

3   encryption engine.

1   4.   The method according to claim 3, wherein said encrypting further include encrypting said

2   cookie utilizing said encryption device.

1   5.   The method according to claim 4, wherein said decrypting further includes decrypting said

2   encrypted cookie utilizing said encryption device.

1   6.   The method according to claim 5, wherein said sending further includes transmitting said

2   decrypted cookie from said encryption device to said browser program.

1   7.   The method according to claim 6, further comprising transmitting said decrypted cookie

2   from said browser program to an application executing in a remote server.

1   10.   A data processing system capable of protecting the security of a cookie stored within said

2   data processing system, said data processing comprising:

3   a protected storage device for storing a encryption key pair having a private key

4   and a public key in a protected storage device within said data processing system;

5   means for utilizing said public key to encrypt said cookie, in response to the

6   receipt of a cookie generated by an application from a remote server;

7   a non-protected storage device within said data processing system for storing

8   encrypted cookie;

9   means for utilizing said private key to decrypt said encrypted cookie, in response

10 to an access request for said encrypted cookie by a browser program executing within said

11   data processing system; and

12   means for sending said decrypted cookie to said browser program.

1   11.   The data processing system according to claim 10, wherein said non-protected storage

2   device is a hard drive.

1   12.   The data processing system according to claim 10, further comprising an encryption device

2   having an encryption engine and said protected storage device accessible only through said

3   encryption engine.

1   13.   The data processing system according to claim 12, wherein said means for utilizing said

2   public key to encrypt said cookie is said encryption engine.

1   14.   The data processing system according to claim 13, wherein said means for utilizing said

2   private key to decrypt said encrypted cookie is said encryption device.

1   15.   The data processing system according to claim 14, wherein said sending means further

2   includes means for transmitting said decrypted cookie from said encryption device to said browser

3   program.

1   16.   The data processing system according to claim 15, further comprising means for

2   transmitting said decrypted cookie from said browser program to an application executing in a

3   remote server.